

RESOURCE CAPACITY COLLABORATION

ABSTRACT OF THE DISCLOSURE

A method for resource capacity collaboration includes accessing an assignment of an item used in producing a product for a customer to a first resource (108) of a factory (106) in a first production period, accessing a capacity value (136) representing a capacity of the first resource (108) to process one or more items in the first production period, accessing a demand value (138) representing a demand placed on the first resource (108) in the first production period by the assignment of the item (206) to the first resource (108), automatically generating a notification if the demand value (138) exceeds the capacity value (136), automatically communicating the notification to a user associated with the customer, and reassigning at least a portion of the demand placed on the first resource (108) in the first production period to at least one of a second resource (108) and a second production period.

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